



~~Background of the invention:~~

~~An improved and new design for the first aid strips is the purpose of this patent application. A first aid strip normally consists of, a piece of sterile nonadherent gauze pad, of an appropriate size and shape, to which is attached on one side, a strip of adhesive tape, which is for the purpose of attaching the, gauze pad to the body.~~

~~The new design that I wish to create is to, make a pouch/ well/ depression/ hollow on the side of the gauze pad, that comes in contact with the skin. The purpose of this, pouch/ well/ is to, be able to deposit a small amount of, medicated cream/ gel, such that when this new first aid strip design is attached to the skin, the cream/gel does not get squished out, which almost always happens, when the current design of, first aid strips is used together with some cream/ gel.~~

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~~Background of the Invention / Design~~

~~This invention relates to creation of new and improved first aid strips for the, purpose of, being used on different skin ailments, such as corns, warts, small localized burns, skin areas, cuts and bruises, raised moles or any other localized skin condition which would need or benefit from, being used in conjunction with some medicated ointment / cream / gel.~~

~~It is known in a prior art that, a first aid strip comprises of a flat piece of, sterile non adherent gauze pad, over which a strip of adhesive tape is provided to enable the, gauze pad to be attached the skin.~~

~~The drawback of this known art, of the first aid strip, is that, if medicine for the skin condition, is applied in the form of an ointment/cream or gel to the wound or skin condition, and a first aid strip, in its present design is, attached over it, the ointment/ cream or gel gets~~

~~squished out, and as a result, a very negligible amount or none of the cream / ointment, or gel is left behind. In addition, if there is, some amount of, locales bulge or swelling, associated, with the wound / skin condition, such as following a deep cut, or when there is a wart raised mole, the cream / gel / ointment gets squished out even further.~~

Brief Summary of the Invention / Design

It is the object of this new invention to provide an improved first aid strip to, over-come the drawbacks of the prior art of the first aid strip.

The present invention provides an improved first aid strip, comprising a strip of gauze pad, having a cavity / pouch / well / depression / hollow, on the surface of the gauze pad, facing the skin, that is the side of pad, that lies adjacent to the skin. The purpose of this pouch, hollow / well / depression, is to be able to deposit a small amount of, medicated cream / gel, in the form of, cream / gel / ointment. There are many people, who would like to be able to use some sort of cream / gel / ointment, in association with the first aid strip, but this does not seem to stay, where it has been put, and gets squished out, when a first aid strip is placed over it.

I propose, at the present time, five ways by which such embodiments may be created, on the gauze pad, on the side that lies adjacent to the skin.

1. The first method of creating this design is to add an additional, one or two, layers of gauze pad over, the gauze pad attached to the first aid strip. However the layers 2 and 3, have a window cut out from around the center leaving a margin of, about 1.5 mm all around. The depth of the pouch so created, should preferably not exceed, 1.5-2.00 mm. This determination can be made later, depending on the aesthetic of the resulting product.

2. The second method of creating the new design is, to place a ring of an inert material, for e.g cork, plastic, latex, in between two layers of gauze pad, such that when the, two layers of gauze pad and the ring are pressed together, a small pouch is created as a result. The ring is sealed between the two layers of gauze pad in such a manner that the ring, does not come in contact with

~~the skin . The depth of the ring is approx 1.50-1.95 mm. The dimensions of~~
~~the ring are approximately, 1.5 mm less than the dimensions of the gauze pad.~~
~~This way there is a small margin of gauze pad, outside the borders of the ring~~
~~Which when pressed against the layer of gauze pad below, seals the ring,~~
~~between the two layers of gauze pad.~~

~~3 . The third method of creating this new design is to, creating an out pouching~~
~~of the entire, first aid strip together with the gauze pad, such that it bulges ,~~
~~outwards from one side. As this does not maintain the aesthetic of the first~~
~~aid strip, this is not a very desirable technique of creating this design.~~

~~4 . The fourth method of creating this design is to incorporate, the depression,~~
~~cavity or pouch in a single, thick enough piece of gauze pad, attached to the~~
~~first aid strip adhesive tape, by scooping out from around the central area of~~
~~the gauze pad. The thickness of gauze pad, is approx 2.5-2.75 mm.~~
~~The pouch so created would have a margin of gauze pad, of about 2.00 mm.~~
~~all around and the depth of the pouch so created should preferably not~~
~~exceed 1.50 - 1.95 mm. The actual dimensions may be appropriately~~
~~modified later .~~

~~5 . The fifth possible method of creating a pouch is by , placing a ring made of~~
~~a light weight material, such as cork , on the surface of the gauze pad, or~~
~~around the borders of the gauze pad, in such a manner that, it is first to come~~
~~contact with the skin, before any other part of the first aid strip. The ring is~~

~~attached to the gauze pad, by any appropriate adhesive . The ring would have~~
~~a depth of approx 2.00 - 2.25 mm, depending on whether the ring is on or~~
~~around the gauze pad, and is of the size and shape of the gauze pad.~~
~~The actual depth of the ring can be increased or decreased later, if needed .~~
~~depending on the requirements of the manufacturer. The surface of the ring~~
~~that comes in contact with skin is also, provided with some adhesiveness,~~
~~such that when placed on the skin, it sticks to it. The ring would be placed,~~
~~either on the gauze pad, flush with its margins , or all around the margins.~~
~~margins of gauze pad , thereby enclosing the borders of the gauze pad in the~~
~~ring.~~

~~Though any of the above methods can be used to create the new design, the actual~~
~~technique used, would depend on the, aesthetics, costs, and the preferences, of the manufacturer~~
~~of this product. All the techniques mentioned above, can be used to create a pouch or well in any~~
~~shape of the, of the first aid strip, be it circular, elliptical, square, rectangular.~~

~~—————~~ The design improvement, I wish to make is to, create a pouch, depression, hollow, a well, or whatever it might be termed, so as to enable to deposit a small amount of, any variety of cream, that would enable the same to remain within the, first aid strip, and not get squished-out, when the strip is attached to the skin. This is especially true, not only on skin surfaces all over the body, but also especially on parts of the body that are constantly active, such as the, fingers, the knee, the ankle. This pouch/well/depression/ also provides a small amount of space into which, any small injury, such as a deep cut, which might be associated with a small amount of localized swelling, can expand into. This pouch / well / depression / also can accommodate, the bumps, associated with say a wart, corn, boil, ruptured blister, localized burn/ localized patch of dry skin, in such a manner that the first aid strip fits onto each of these conditions, in the form of a cap.

~~—————~~ This new design, can be created, in several ways, which I would like to patent, in the form of, **process patent**, if permissible.

~~—————~~ 1. **First Method** : This pouch can be created by adding, say another 1-2 layers of gauze pad, to the to the first aid strip. The lowermost layer of, gauze pad, will be complete, but the layers 2 and 3 will have a window cut out from the centre. Thus in effect there will be ring of gauze all around, made up of layers 2 and 3 of gauze pad, whose outer margins are flush with the margins of layer 1 of gauze pad. This ring can be made of alternative materials such as, **cork or rubber**. The dimensions of this ring are, approx **2.00-2.5 mm wide and 1.5-1.95 mm deep**. This in effect creates a small pouch. The dimensions of this ring of gauze can be appropriately modified later. The rubber for the ring, may be similar to that used in rubber bands. The ring has some adhesiveness provided, so that it sticks to the skin, when placed on it.

~~2. The second way, that a pouch/ well/ depression can be created, is by placing a ring, (smaller in dimension, relative to the size and shape of the, piece of gauze pad), between two layers of gauze, and then sealing / pressing the two layers of gauze. The ring needs to be made of a light and inert material, like cork, rubber, plastic. This determination can be made at a latter date. The depth of the ring, is about, 1.50 - 1.95 mm, and the width of the ring is approx, 2.00 to 2.50 mm. The ring would be, interposed between the layer of gauze pad attached to the adhesive tape and another layer of gauze pad over it. The two layers of gauze pad are pressed together, in such a manner that the ring is sealed between the two layers. The size of the ring, such as length and breadth, are approx 1.5mm less than the dimension of the gauze pad. This in effect provides a small margin of guaze pad, outside the borders of the ring.~~

~~(See Appendix B for diagramatic representation for this).~~

~~3. The third technique of creating the pouch / well / depression is to, create a bulge in the first aid strip, in the area which includes the guaze pad in such a manner that the bulge so created includes not only the guaze pad, but also the adhesive strip overlying it. This method however does not produce an aesthetically pleasing product. (See Appendix C).~~

~~4. The fourth method of creating this pouch / well/depression /cavity is, to take a single piece of guaze pad, of appropriate thickness, of say approx 2.5-2.75 mm and to scoop out a cavity from around the center leaving a margin of, 2.00 mm of guaze pad all around. It is this single piece of guaze pad, with a cavity in its central area that is attached to the, adhesive strip that comes with the first aid strip. The depth of the pouch created should be approximately 1.5 mm-1.95 mm . The determinations of , thickness of guaze pad and depth of pouch can be determined between, the designer and the manufacturer.~~

~~(See Appendix D for a diagramatic representation)~~

~~5. The fifth method of creating this new design is to , place a ring made up of cork, rubber, or guaze, surrounding the guaze pad. The rubber of the ring may be similar to that, used in rubber bands. The ring is, placed on the first aid strip in such a manner that it is in contact with the adhesive strip, by an appropriate adhesive, and the surface of the ring that comes in contact with the skin, is also provided, with some adhesive capability so that when placed on the skin, it sticks to the skin . The presence of this ring, around the guaze pad, provides a small pouch / well , into which a small amount of medicated cream or ointment can be deposited. The size and shape of the ring approximates the size and shape of the guaze pad, but the ring is a little bigger in size, as it surrounds the guaze pad, all around its margins.~~

~~The dimensions of the ring are as follows.~~

~~Width of the ring : 2.00 - 2.50 mm (approx)~~

~~Depth of the ring : 2.00 - 2.25 mm (approx)~~

~~(See Appendix E for a diagramatic representation)~~

~~There may be other methods, by which, it may possible to create this pouch, well / depression, and the above mentioned methods are not a complete and exhaustive list of all the methods that may be used to make it. But the end result would produce the, improvement, invented / designed by me. The design to be used, to make this product can be determined later, by the designer and the manufacturer.~~

~~In order to prevent the possibility of this design being imitated on a piece of flat sterile/ nonsterile, guaze or pad, I would like to, patent an extension of this design to a product that I call, guaze hats/ guaze caps. These hats/caps, are basically a pouch / pregnant dimple / well / depression, created on a flat piece of guaze, not a part of first aid strip, (which has an adhesive tape attached to the guaze). Thus this independent piece of guaze hat / cap, can be used with different wounds/ skin condition with an appropriate size of adhesive tape. At the present time, it is possible to get on the market, independent pieces of sterile/ non-sterile, guaze pad, each in its own separate sealed pack. However this is just a plain, flat guaze pad, without a pouch.~~

~~These, Guaze hats / Guaze caps, can also be created in a manner similar to that which is used to make the, First aid hats / First aid caps, as mentioned in the possible five techniques, with appropriate modifications, for factoring the absence of the adhesive strip.~~

~~However, this is not an exhaustive list of the ways in which this, well / pouch / depression / can be made. There may be other ways by which it may be possible create a pouch well / depression, in the flat piece of guaze pad, and the end result would be to create a pouch or well , that does not exist in the products of similar nature, available on the market today.~~

DRAWINGS:-

DRAWINGS:-

~~INDEX:-~~

~~1. APPENDIX A : First method of creating the new design~~

~~2. APPENDIX B : Second method of creating the new design~~

~~3. APPENDIX C : Third method of creating the new design~~

~~4. APPENDIX D : Fourth method of creating the new design~~

~~5. APPENDIX E : Fifth method of creating the new design.~~

~~APPENDIX A:~~

~~LEGEND:~~

- ~~_____ 1. The reference character, "1" points to, the adhesive strip.~~
- ~~_____ 2. The reference character, "2" points to, the gauze pad attached~~
~~_____ to the adhesive strip.~~
- ~~_____ 3. The reference character, "3" points to, the second layer of gauze.~~
- ~~_____ 4. The reference character, "4" points to, the third layer of gauze.~~

~~_____ FIG A: This view provides a frontal view of the first aid strip, Which for the sake of~~
~~_____ clarity uses only one shape of the Strip (rectangular). This view shows how~~
~~_____ a first aid strip normally looks like.~~

~~_____ FIG A-I: This view is a cross section view of, FIG A, as viewed end on.~~

~~_____ FIG A-II: This view is fully assembled view of, two layers of gauze pad, layers 2 and~~
~~_____ layer 3, with a window created in each, stacked one above the other, on top~~
~~_____ of gauze pad, attached to the adhesive strip (reference character, "2")~~
~~_____ Two layers have been shown to explain the method. Only one additional~~
~~_____ may be required in actuality. This determination may be made later.~~

~~_____ FIG A-III: This view is a cross-sectional view of, FIG A-II, as viewed end on.~~

~~_____ FIG A-IV: This view is an exploded view of, FIG A-III, to show the different~~
~~_____ component layers. Layer 2 (ref character 3) and layer 3 (ref character 4)~~
~~_____ have a, window created in the gauze pad.~~

~~APPENDIX B~~

~~LEGEND:~~

- ~~_____ 1. The reference character, "1" points to, the adhesive strip.~~
- ~~_____ 2. The reference character, "2" points to, the gauze pad attached~~
~~_____ to the adhesive strip.~~
- ~~_____ 3. The reference character, "3" points to, the second layer of~~
~~_____ gauze pad.~~
- ~~_____ 4. The reference character, "4" points to, the ring of cork or rubber,~~
~~_____ interposed, between two layers of gauze pad.~~

~~_____ FIG B. This view provides a composite frontal view, of the first aid strip, which~~
~~_____ includes the two layers of gauze pad, with a ring of cork or rubber interposed~~
~~_____ in between.~~

~~_____ FIG B-I. This view is a cross-sectional view of, FIG B.~~

~~_____ FIG B-II. This view is an exploded view of, FIG B. There are two layers of gauze pad~~
~~_____ first layer of gauze pad (reference character, "2") and second layer of~~
~~_____ gauze pad (reference character, "3"). The ring of cork or rubber,~~
~~_____ with reference character, "3" is interposed in between, the two layers of~~
~~_____ gauze pad.~~

~~APPENDIX C~~

~~LEGEND~~

- ~~_____ 1. Reference character, "1" points to the adhesive trip.~~
- ~~_____ 2. Reference character, "2" points to the gauze pad attached to the first aid~~
~~_____ strip.~~

~~_____ FIG C. This is a tangential view of the, first aid strip with an out pouching, which~~
~~_____ includes the gauze pad also, in the pouch.~~

~~_____ FIG C-I. This is a cross-sectional view of, FIG C.~~

~~APPENDIX D~~

~~LEGEND~~

- ~~_____ 1. The reference character, "1" points to the adhesive strip~~
- ~~_____ 2. The reference character, "2" points to the gauze pad, attached to the first aid~~
~~_____ strip.~~
- ~~_____ 3. The reference character, "3" points to the second layer of gauze pad, with a~~
~~_____ hole / window created in it. The margins of this layer are flush with the~~
~~_____ margins of the, first layer of gauze pad, (reference character, "2")~~

~~_____ FIG D. The first view is a composite tangential view of the first aid strip.~~

~~_____ FIG D-I. This view is a cross-sectional view of, FIG D.~~

~~_____ FIG D-II. This view is an exploded view of, FIG D.~~

~~APPENDIX E~~

~~LEGEND~~

- ~~_____ 1. The reference character, "1" points to the adhesive strip.~~
- ~~_____ 2. The reference character, "2" points to the gauze pad attached to the strip.~~
- ~~_____ 3. The reference character, "3" points to the, ring of cork or rubber, which~~
~~_____ surrounds the gauze pad layer, attached to the first aid strip, (reference~~
~~_____ character, "2").~~

~~_____ FIG E. This view is a tangential assembled view, of the first aid strip.~~

~~_____ FIG E-I. This view is a cross-sectional view of, FIG E.~~

~~_____ FIG E-II. This view is an exploded view of, FIG E~~

~~_____~~

~~_____~~

Claims

The specific design, for which I wish to claim a patent, by this design patent application, is as follows:-

1. I wish to create a pouch, hollow, depression, well in the first aid strip, on the side of the first aid strip, that comes in contact with the skin. The ornamental design, for the creation of this pouch, well, or hollow in the first aid strip, is as shown and described in the details of the patent application. The title for this invention, I have chosen is, First Aid Hats/or also called, as First Aid Caps. The reason for this is, when a first aid strip, with my new design, when applied on a wound on the skin, gives an appearance of a cap or hat covering the wound. An extension of, the invention that I seek to patent using the first aid strip, may also be created on a simple flat piece of gauze, devoid of the adhesive strip that comes with the first aid strip. The title I wish to use for my design as applied on a simple flat piece of gauze is, Gauze Hats/or also called as Gauze Caps. The ornamental design as applied on a simple flat piece of gauze, is as shown and described, in the details attached to this patent application.

ABSTRACTS OF THE DISCLOSURE

~~The new design that I wish to create, in a commonly available item called , first aid strips , is to create a small pouch, depression, hollow or well, whatever it may be appropriately , called, so that when a small amount of cream, ointment or gel is placed on the first aid strip, and attached to the skin, this does not get squished out. At the present moment, the first aid strips are just a flat piece of gauze attached to an adhesive strip. By virtue of my new design a small pouch is, embodied in the first aid strip, for which a request for a patent is being applied for, by this application. This new design, may be created in several ways “ as shown and described “ in the detailed description attached .~~

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APPENDIX A [CONTD]

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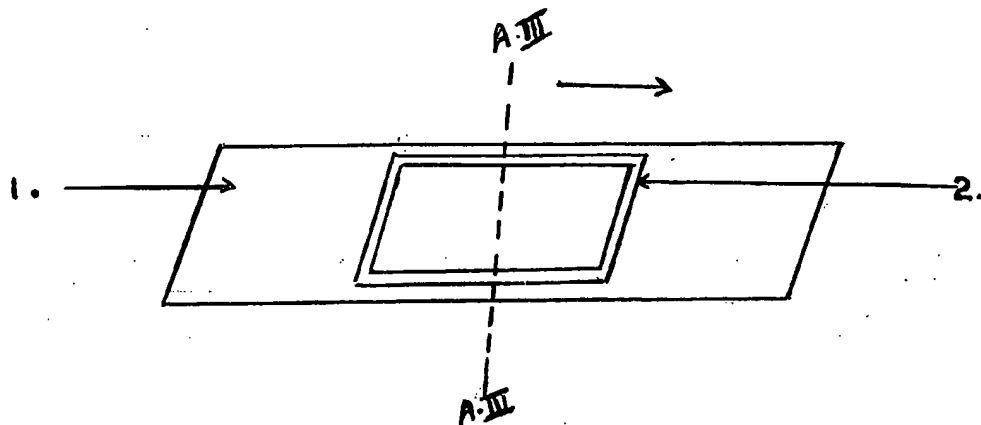


FIGURE A-II (FULLY ASSEMBLED VIEW)

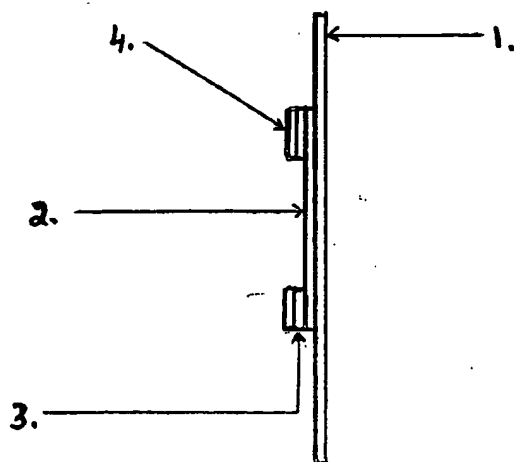


FIGURE A-III (SECTIONAL VIEW)

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APPENDIX A

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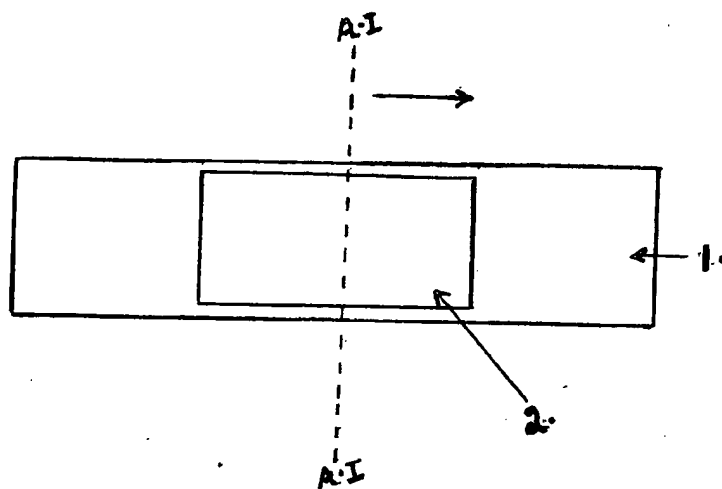


FIGURE A (FRONT VIEW)

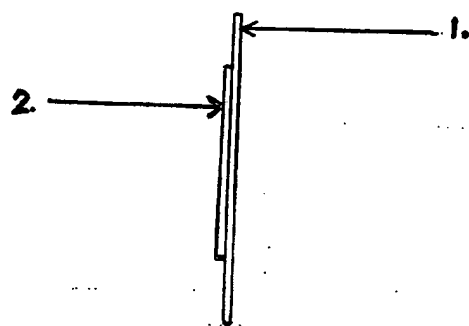


FIGURE A-I (CROSS) (SECTIONAL VIEW)/ END ON VIEW

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APPENDIX A [CONTD.]

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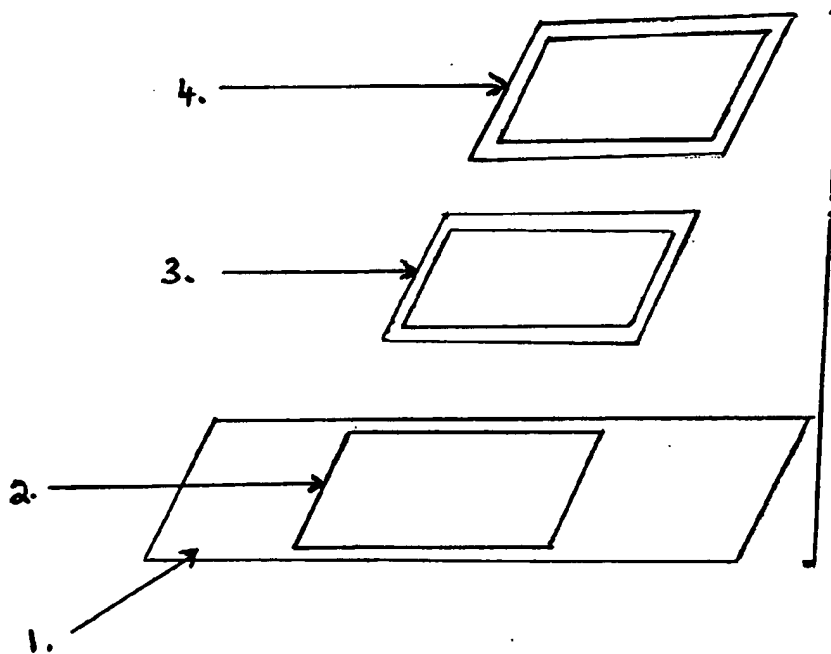


FIGURE A-IV (COMPONENT LAYERS
EXPLODED VIEW)

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APPENDIX B

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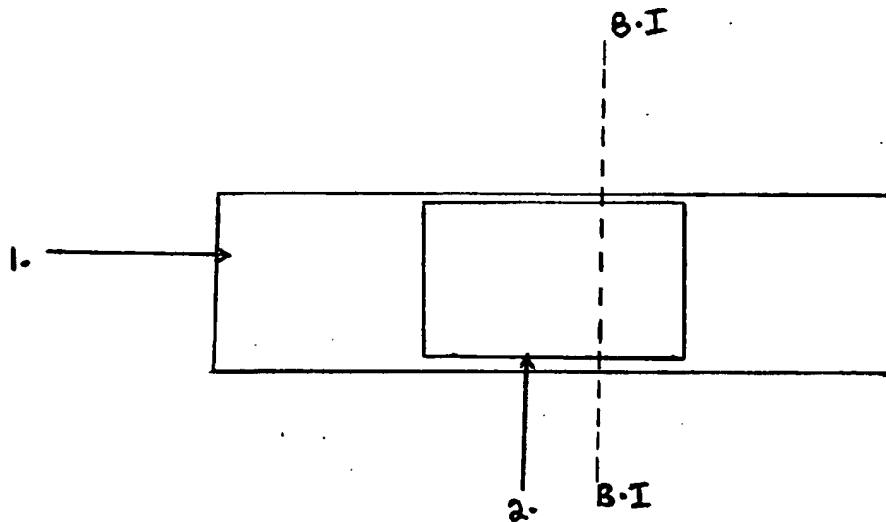


FIGURE B. [COMPOSITE FRONTAL VIEW]

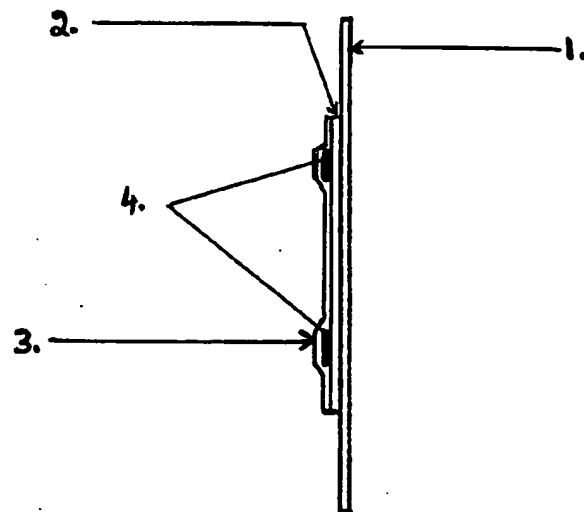


FIGURE B.I [SECTIONAL VIEW]

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APPENDIX B [CONTD]

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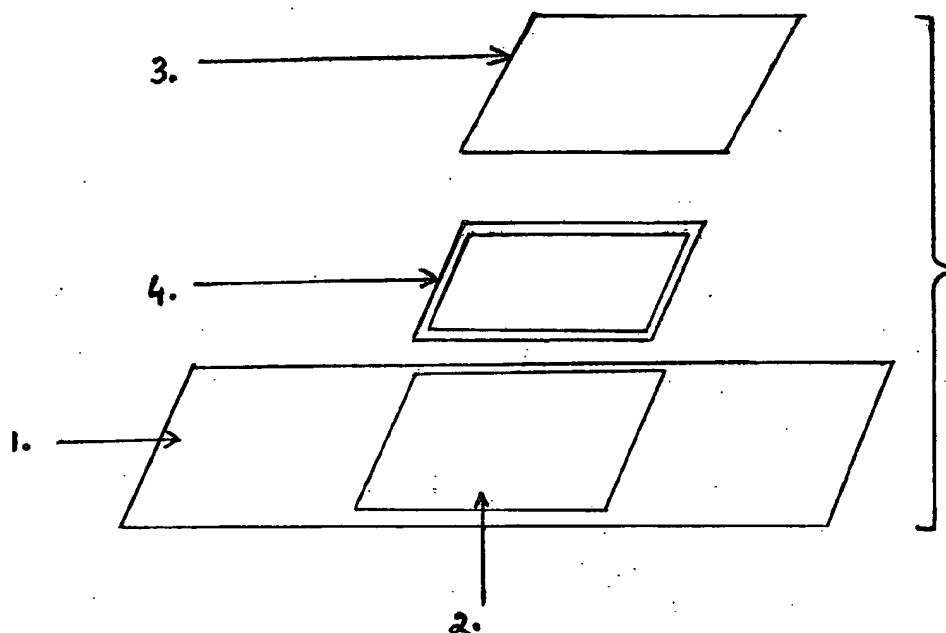


FIGURE B.II [EXPLODED VIEW]

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APPENDIX C

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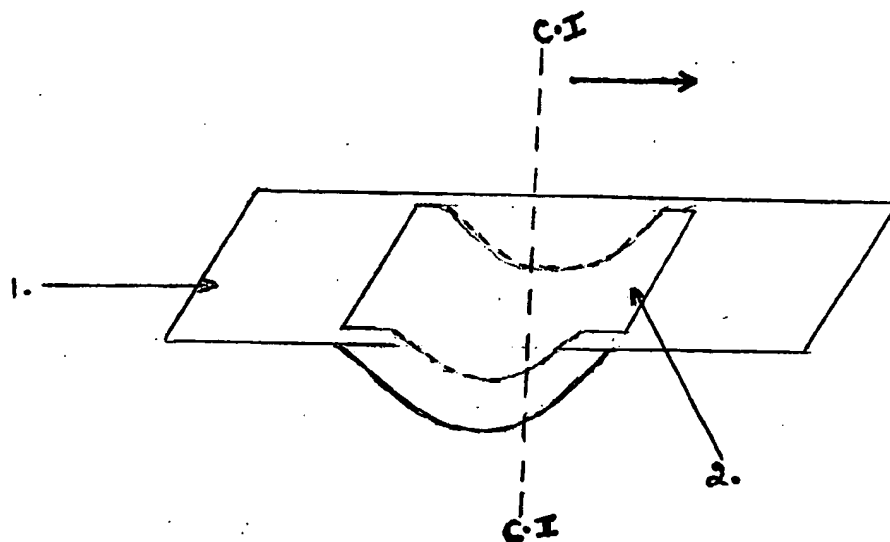


FIGURE C. [TANGENTIAL VIEW]

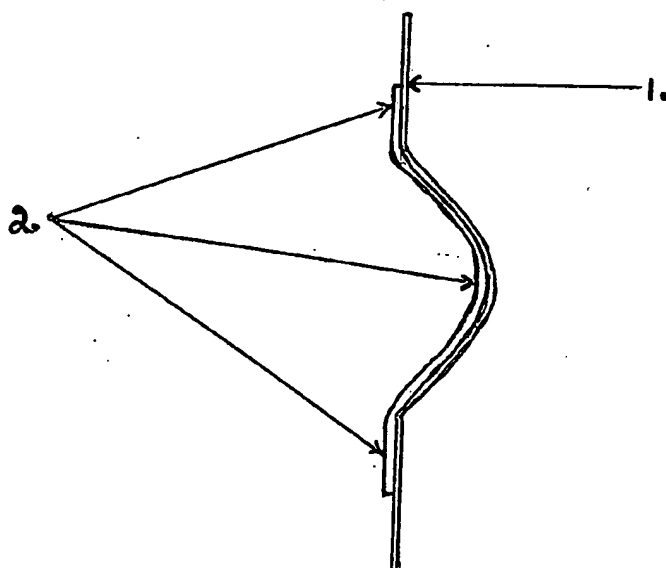


FIGURE C-I [SECTIONAL VIEW]

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APPENDIX D

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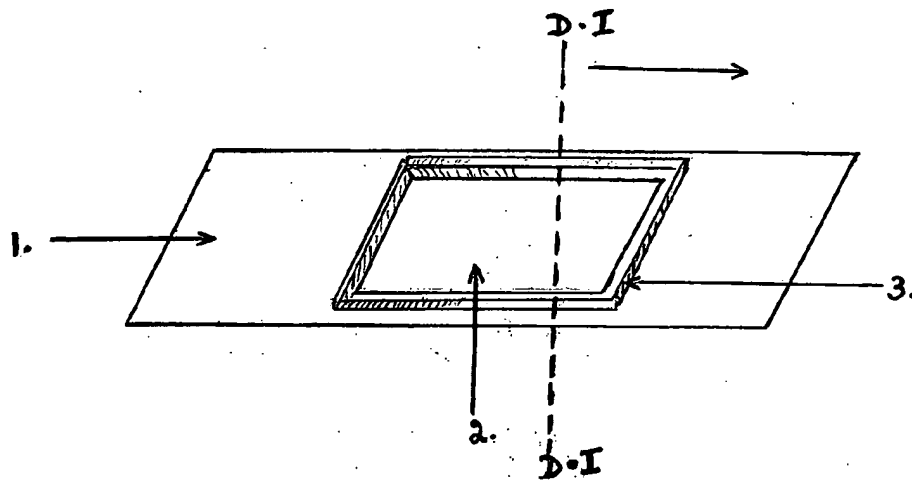


FIGURE D [COMPOSITE]
[TANGENTIAL VIEW]

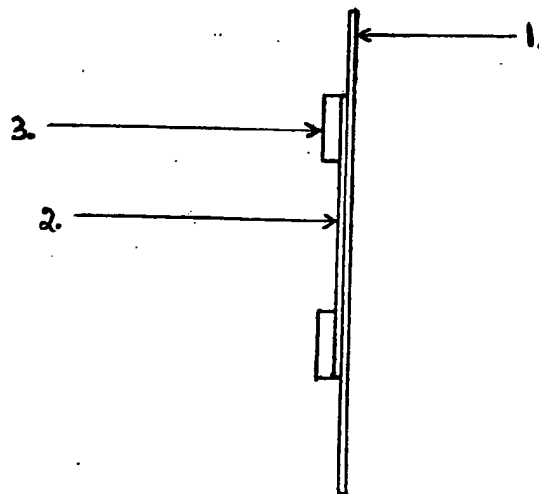


FIGURE D-I [CROSS SECTIONAL VIEW]

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APPENDIX D [CONTD]

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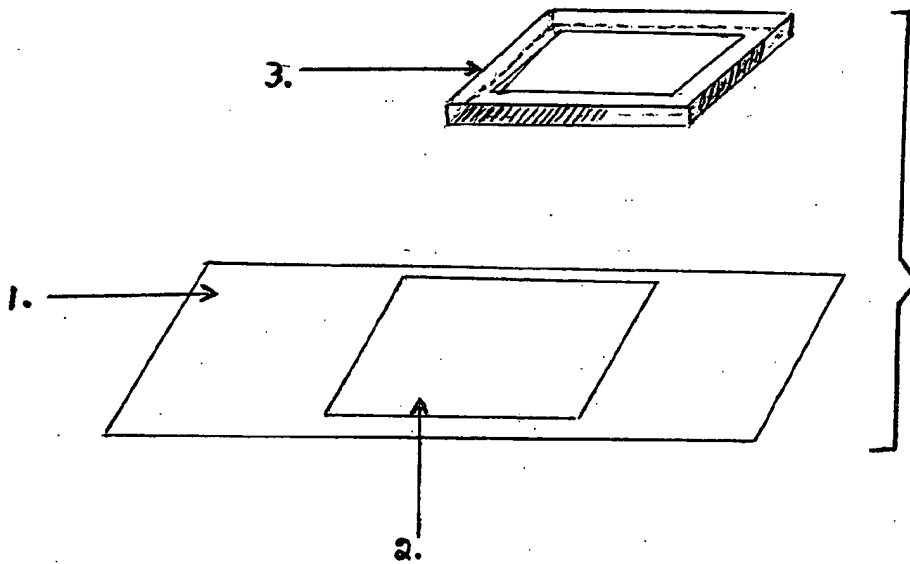


FIGURE D-II [EXPLODED VIEW]

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APPENDIX E

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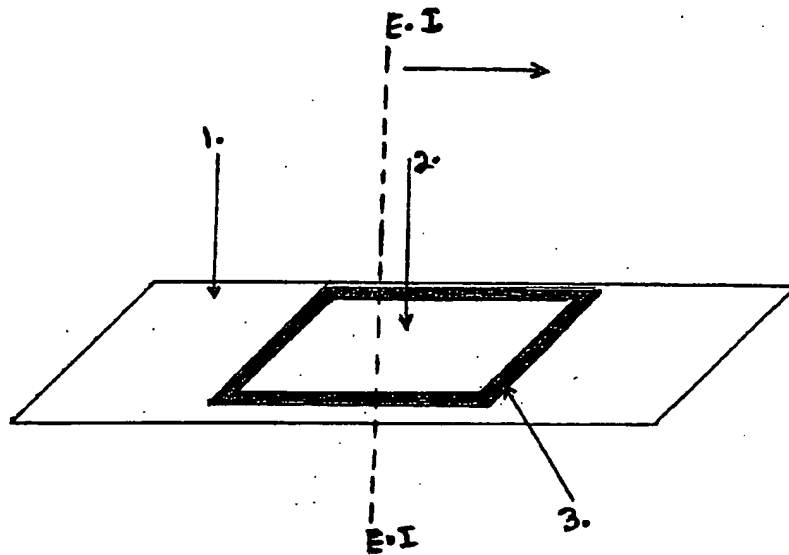


FIGURE E. [TANGENTIAL ASSEMBLED
VIEW]

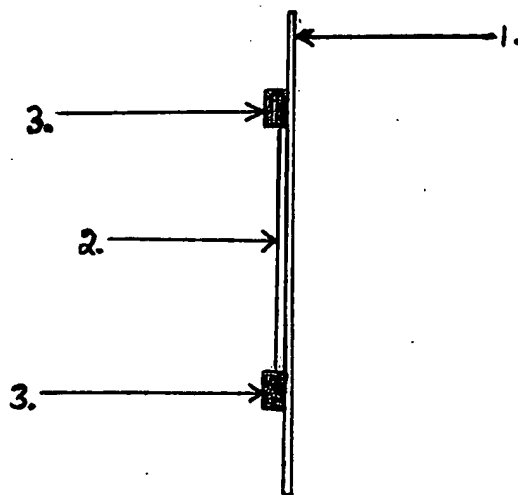


FIGURE E.I [CROSS SECTIONAL VIEW]

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APPENDIX E [CONTD]

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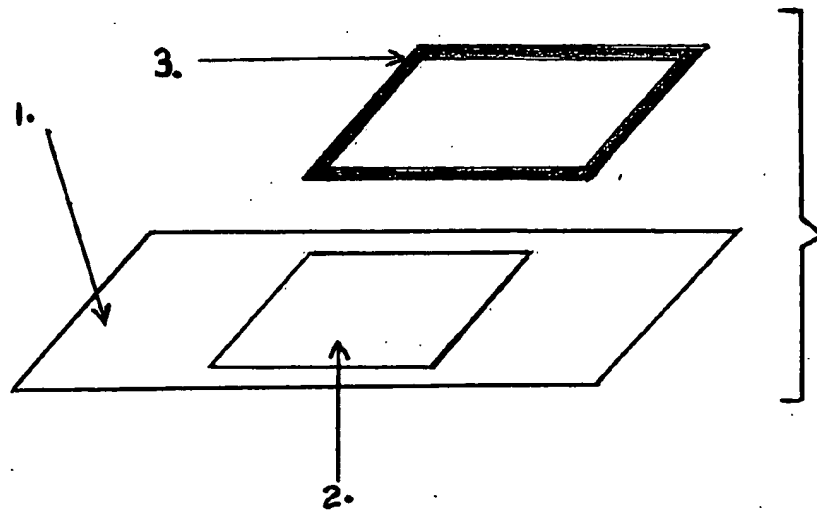


FIGURE E. III [EXPLODED VIEW]

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